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EIC 3600

STIC Database Tracking Number 94803

TO: Roger Pang
Location: 6U13
Art Unit : 3681
Wednesday, May 26, 2004

Case Serial Number: 10/657058

From: Etelka Griffin
Location: EIC 3600
PK5-Suite 804
Phone: 308-4211

Etelka.griffin@uspto.gov

Search Notes

LITIGATION SEARCH



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Today's Date:

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For 705 Searches list subclass:

Your Name ROGER PANG

Is this a Rush? YES NO

SPE's Signature _____

AU 3681 Examiner # 75725

Is this a first action amendment? YES NO

Room # 6013 Phone 305-0445

Is this a refocus? YES NO

Serial # 10/657,058

Access # _____

What is the focus of this search? Please include concepts, synonyms etc.

Attach a copy of the abstract, pertinent claims and your East search strategy. Thanks.

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Source: [Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant Patents](#) 
Terms: [patno=6067871](#) ([Edit Search](#))

012880 (09) 6067871 May 30, 2000

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6067871

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May 30, 2000

Variable resistance shift rail detent assembly and shift control method employing same

REISSUE: April 18, 2002 - Reissue Application filed Ex. Gp.: 3681; Re. S.N. 10/124,934 (O.G. June 18, 2002)

September 5, 2003 - Reissue Application filed Ex. Gp.: 3681; Re. S.N. 10/657,058 (O.G. December 9, 2003)

APPL-NO: 012880 (09)


FILED-DATE: January 23, 1998

GRANTED-DATE: May 30, 2000

CORE TERMS: lever, detent, transmission, splitter, ratio, jumpout, rail, shaft, sub, engine ...

ENGLISH-ABST:

A mechanical transmission system (10) is provided with a detent mechanism (156/172, 186/196) for applying a selectively variable detent resistance to disengagement of an engaged gear ratio. To provide resistance to shift lever (31) induced jumpout when no intent to shift is sensed, a greater detent resistance is provided, and to provide improved shift quality upon sensing an intent to shift, a lesser detent resistance is provided. The mechanism also may be utilized to maintain the transmission in neutral.

Source: [Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant Patents](#) 

Terms: [patno=6067871](#) ([Edit Search](#))

View: **Custom**

Segments: [Appl-no](#), [English-abst](#), [Granted-date](#), [Reissue](#)

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Patent Number :

US6067871 A 20000530 [US6067871]

Title :

(A) Variable resistance shift rail detent assembly and shift control method
employing same

Patent Assignee :

(A) EATON CORP (US)

Patent Assignee :

Eaton Corporation, Cleveland OH [US]

Inventor(s) :

(A) MARKYVECH RONALD K (US); RILEY THOMAS N (US); ORE
THOMAS G (US)

Application Nbr :

US1288098 19980123 [1998US-0012880]

Filing Details :

Cont..of US928234 19970912 [1997US-0928234] (Abandoned)

Priority Details :

US1288098 19980123 [1998US-0012880]
US92823497 19970912 [1997US-0928234]

Intl Patent Class :

(A) F16H-061/18 F16H-063/36

EPO ECLA Class :

F16H-061/24
F16H-063/34

US Patent Class :

ORIGINAL (O) : 074335000; CROSS-REFERENCE (X) : 074473210
074473240 074473250

Document Type :

Corresponding document

Citations :

US1976697; US2767595; US3945458; US4070914; US4388843;
US4406356; US4441379; US4550627; US4593580; US4614126;
US4676115; US4920815; US5000060; US5390561; US5569115;
US5661998; US5682790; US5735771; US5758543; US5904635;
US5974354

Publication Stage :

(A) United States patent

Abstract :

A mechanical transmission system (10) is provided with a detent mechanism (156/172, 186/196) for applying a selectively variable detent resistance to disengagement of an engaged gear ratio. To provide resistance to shift lever (31) induced jumpout when no intent to shift is sensed, a greater detent resistance is provided, and to provide improved shift quality upon sensing an intent to shift, a lesser detent resistance is provided. The mechanism also may be utilized to maintain the transmission in neutral.

Update Code :

2000-22

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Patent Number :

US6067871 A 20000530 [US6067871]

Application Number :

US1288098 19980123 [1998US-0012880]

Action Taken :

20020618 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20020418

20031209 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20030905

Update Code :

2003-51

1 / 1 CRXX - ©CLAIMS/RRX

Patent Number :

6,067,871 A 20000530 [US6067871]

Patent Assignee :

Eaton Corp

Actions :

20020418 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020618
REISSUE REQUEST NUMBER: 10/124934

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3681

Reissue Patent Number:

20030905 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20031209
REISSUE REQUEST NUMBER: 10/657058
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3681

Reissue Patent Number:

Query/Command : file Inpadoc

Query/Command : PRT SS 1 MAX 1 LEGAL

/// INPADOC - ©INPADOC

Patent Number :

US 6067871 A 20000530 [US6067871]

Title :

VARIABLE RESISTANCE SHIFT RAIL DETENT ASSEMBLY AND
SHIFT CONTROL METHOD EMPLOYING SAME

Inventor(s) :

MARKYVECH RONALD K [US]; RILEY THOMAS N [US]; ORE
THOMAS G [US]

Patent Assignee (Words) :

EATON CORP [US]

Application Details :

US 12880/98-A 19980123 [1998US-0012880]

Priority Details :

US 12880/98-A 19980123 [1998US-0012880]
US 928234/97-B1 19970912 [1997US-0928234]

Intl. Patent Class. :

F16H-063/36; F16H-061/18

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Patent Number :

US6067871 A 20000530 [US6067871]

Application Number :

US1288098 19980123 [1998US-0012880]

Action Taken :

20020618 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20020418

20031209 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20030905

Update Code :

2003-51

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